

REMARKS

Claims 1-16 are pending in this application. By this Amendment, claims 1 and 9 are amended. Reconsideration of the application in view of the amendments and the following remarks is respectfully requested.

I. REJECTION UNDER 35 U.S.C. §102

Claims 1-4 and 9-16 stand rejected under 35 U.S.C. §102(e) as being anticipated by Kirkland (U.S. Patent No. 5,986,669). The rejection is respectfully traversed.

In particular, Kirkland does not disclose, teach or even suggest an image generating system which generates a three-dimension image of an object formed of a polygon, including at least means which detect a vertex which is out of a drawable range in a polygon arranged in a three-dimensional space which is subject to coordinate transformation into a screen coordinate system and means which scissors the polygon to generate a new vertex for specifying the scissored polygon, as recited in independent claim 1, and similarly recited in independent claim 9.

Kirkland instead discloses a method for determining data characterizing a primitive resulting after the primitive has been subjected to clipping. See Abstract of Kirkland. As shown in Fig. 3 of Kirkland, clipping is performed (see steps 24-25) prior to the determination of the primitive's attributes (see steps 32-34). See also, col. 5, line 21-col. 6, line 2.

However, Kirkland does not disclose, teach or even suggest means which detect a vertex which is out of a drawable range in a polygon arranged in a three-dimensional space which is subject to coordinate transformation into a screen coordinate system.

Accordingly, claims 1 and 9 define patentable subject matter. Claims 2-4 and 10-16 depend from the respective independent claims, and therefore also define patentable subject

matter. Accordingly, withdrawal of the rejection under 35 U.S.C. §102(e) is respectfully requested.

II. REJECTION UNDER 35 U.S.C. §103

Claims 5-8 and 13-16 stand rejected under 35 U.S.C. §103(a) over Kirkland in view of Kirk (U.S. Patent No. 6,239,808 B1). The rejection is respectfully traversed.

As discussed above, Kirkland does not disclose, teach or even suggest means which detects a vertex which is out of a drawable range in a polygon arranged in three-dimensional space which is subject to coordinate transformation into a screen coordinate system.

Kirk does not compensate for the above-noted deficiency of Kirkland. Contrary to that asserted in the Office Action, Kirk does not detect an undrawable vertex. Instead, Kirk pertains to a method for determining texture values of graphical images. See, for example, Abstract of Kirk. As shown in Fig. 3 of Kirk, three sets of textured coordinates u and v are utilized to position triangle 13a on a texture map 20 which shows textels as dotted rectangles. See also, col. 5, lines 24-25.

However, Kirk does not disclose, teach or even suggest means which detect a vertex which is out of a drawable range in the polygon arranged in a three-dimensional space which is subject to coordinate transformation into a screen coordinate system.


Accordingly, claims 1 and 9 define patentable subject matter. Claims 5-8 and 13-16 depend from the respective independent claims, and therefore also define patentable subject matter. Accordingly, withdrawal of the rejection under 35 U.S.C. §103(a) is respectfully requested.

III. CONCLUSION

In view of the foregoing, this application is in condition for allowance. Favorable reconsideration and prompt allowance of claims 1-16 are earnestly solicited.

Should the Examiner believe that anything further would be desirable in order to place this application in better condition for allowance, the Examiner is invited to contact the undersigned attorney at the telephone number listed below.

Respectfully submitted,


James A. Oliff
Registration No. 27,075

Yong S. Choi
Registration No. 43,324

JAO:YSC/hs

Attachment:
Petition for Extension of Time

Date: November 3, 2003

OLIFF & BERRIDGE, PLC.
P.O. Box 19928
Alexandria, Virginia 22320
Telephone: (703) 836-6400

<p>DEPOSIT ACCOUNT USE AUTHORIZATION Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461</p>
